

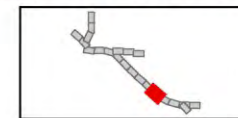


SOURCE: ESRI STREETMAP 2006, EAGLE AERIAL 2008

- Disturbance Area**
- Disturbance Description**
- Mainline and Intersection Improvements
 - Striping Only
 - Potential Improvement Area

LEGEND

- 6 Texaco Service Station (LUST)
- 7 ARCO # 6116 (LUST)
- 8 Exxon #7-3738 (LUST)
- 9 Thrifty Oil #085 (LUST)



DRAFT Disturbance Area Map
Figure ID: I-405e

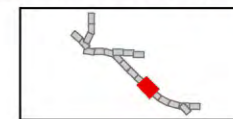
Figure 7-6



SOURCE: ESRI STREETMAP 2006, EAGLE AERIAL 2008

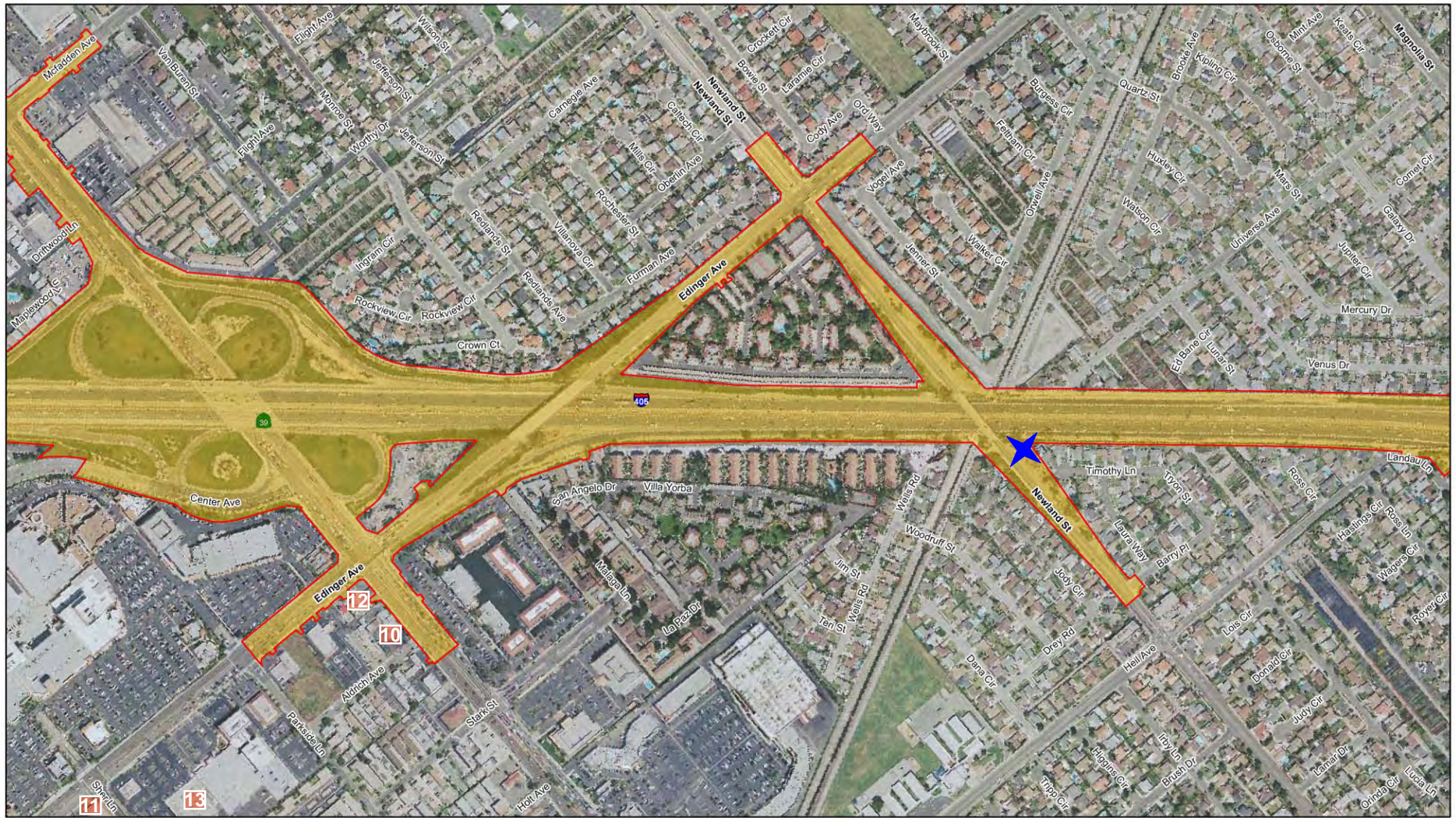
- Disturbance Area
- Disturbance Description**
- Mainline and Intersection Improvements
- Striping Only
- Potential Improvement Area

0 250 500 1,000 Feet



DRAFT Disturbance Area Map
Figure ID: I-405f

Figure 7-7

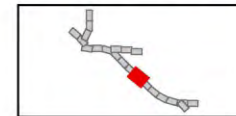


SOURCE: ESRI STREETMAP 2006, EAGLE AERIAL 2008

- Disturbance Area**
Disturbance Description
 Mainline and Intersection Improvements
 Striping Only
 Potential Improvement Area

LEGEND

- Huntington Center Car Wash (LUST)
 Sher Lane Retail Center Dry Cleaner (SLIC)
 Mobil #18-D9R (LUST)
 JC Penny (LUST)
 10 cu-yard Soil Pile (Site Observation)



DRAFT Disturbance Area Map
Figure ID: I-405g

Figure 7-8

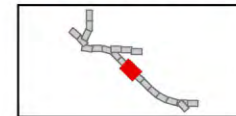


SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

- Disturbance Area**
Disturbance Description
- Mainline and Intersection Improvements
 - Striping Only
 - Potential Improvement Area

LEGEND

- 14 Mobil #18-G2W (LUST)
- 15 Shell Oil (LUST)
- 16 Chevron #9-5492 (LUST)
- 17 Mobil #18-G3W (LUST)



DRAFT Disturbance Area Map
Figure ID: I-405h

Figure 7-9

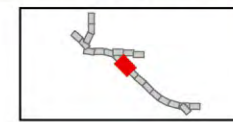


SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

- Disturbance Area**
Disturbance Description
- Mainline and Intersection Improvements
 - Striping Only
 - Potential Improvement Area

LEGEND

- 18 USA Petroleum Corp. (LUST)
- 22 Unocal #5226 (LUST)
- 23 Thrifty Oil (LUST)



DRAFT Disturbance Area Map
Figure ID: I-405i

Figure 7-10

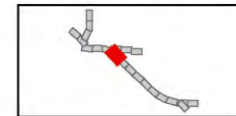


SOURCE: ESRI STREETMAP 2006, EAGLE AERIAL 2008

- Disturbance Area**
Disturbance Description
- Mainline and Intersection Improvements
 - Striping Only
 - Potential Improvement Area

LEGEND

- 19 Old Mobil Station (LUST)
- 20 Chevron 9-5401(LUST)
- 21 Shell Oil (LUST)



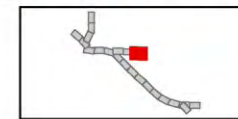
DRAFT Disturbance Area Map
Figure ID: I-405j



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

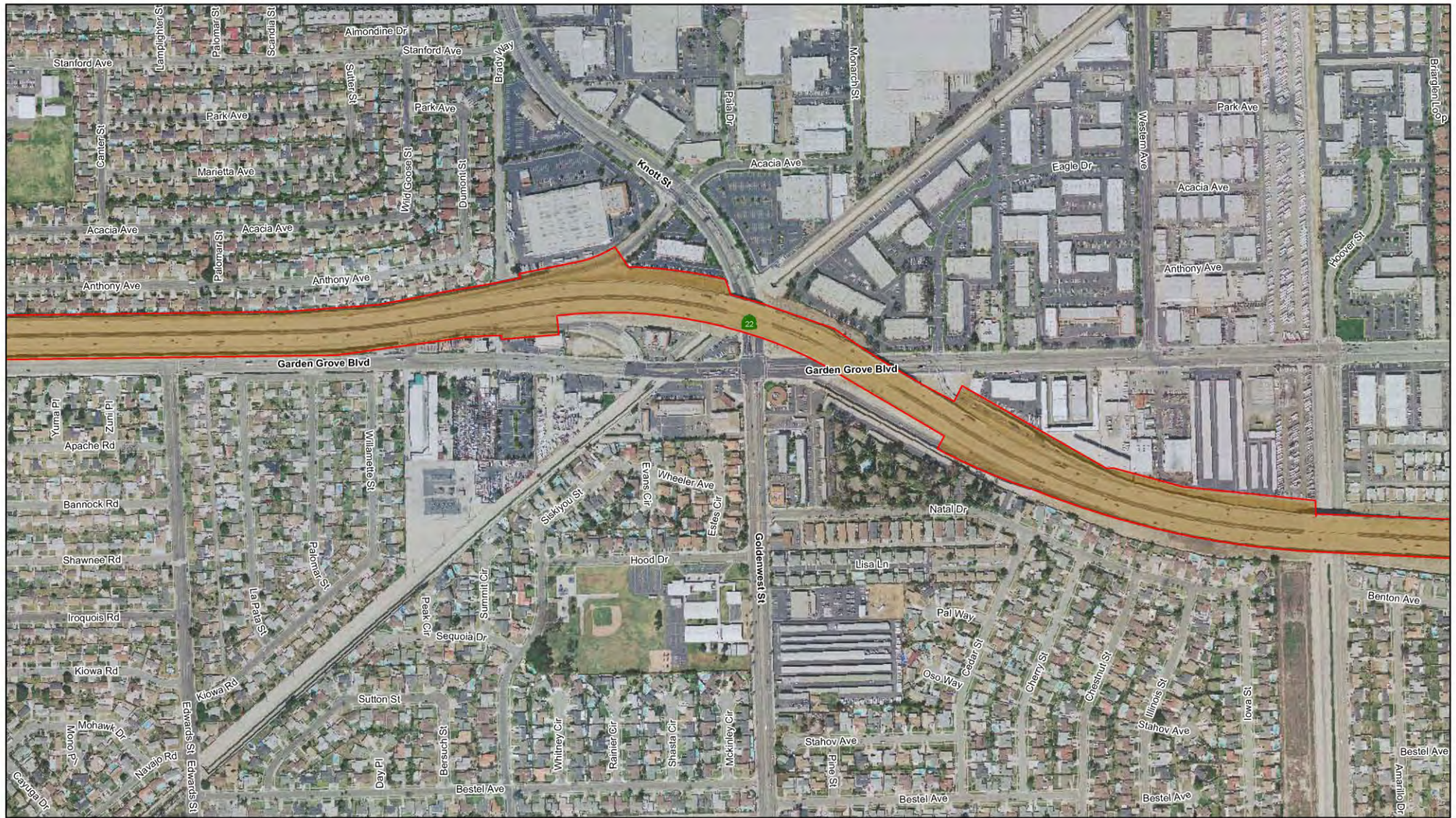
- Disturbance Area
- Disturbance Description**
- Mainline and Intersection Improvements
- Striping Only
- Potential Improvement Area

0 250 500 1,000 Feet



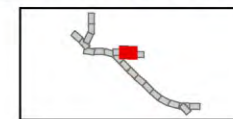
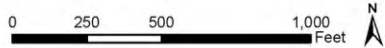
DRAFT Disturbance Area Map
Figure ID: SR-22a

Figure 7-12



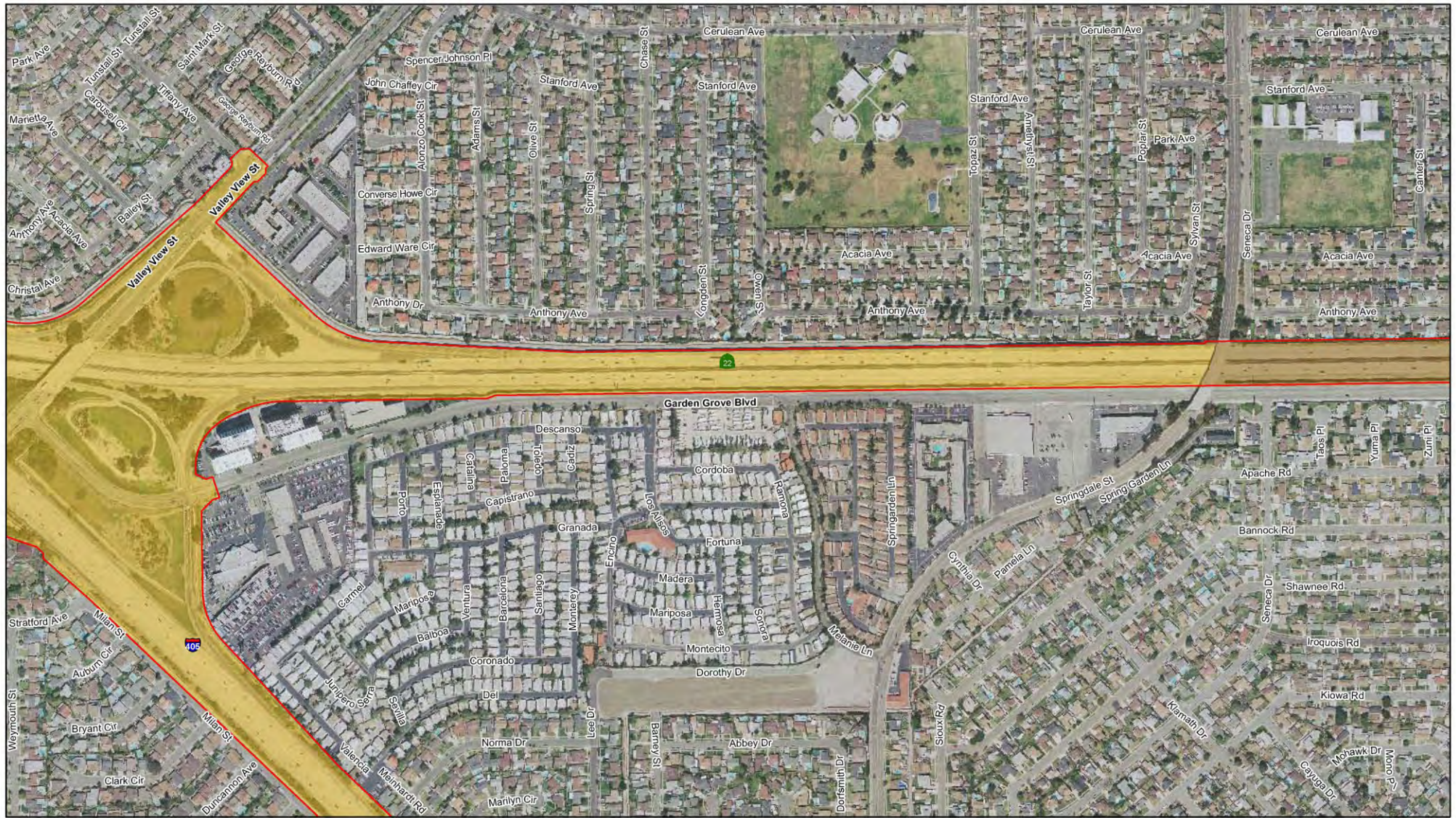
SOURCE: ESRI STREETMAP 2006, EAGLE AERIAL 2008

- Disturbance Area
- Disturbance Description**
- Mainline and Intersection Improvements
- Striping Only
- Potential Improvement Area



DRAFT Disturbance Area Map
Figure ID: SR-22b

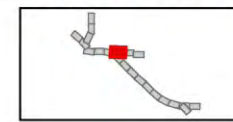
Figure 7-13



SOURCE: ESRI STREETMAP 2006, EAGLE AERIAL 2008

- Disturbance Area
- Disturbance Description**
- Mainline and Intersection Improvements
- Striping Only
- Potential Improvement Area

0 250 500 1,000 Feet



DRAFT Disturbance Area Map
Figure ID: SR-22c

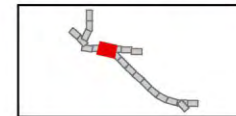
Figure 7-14



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

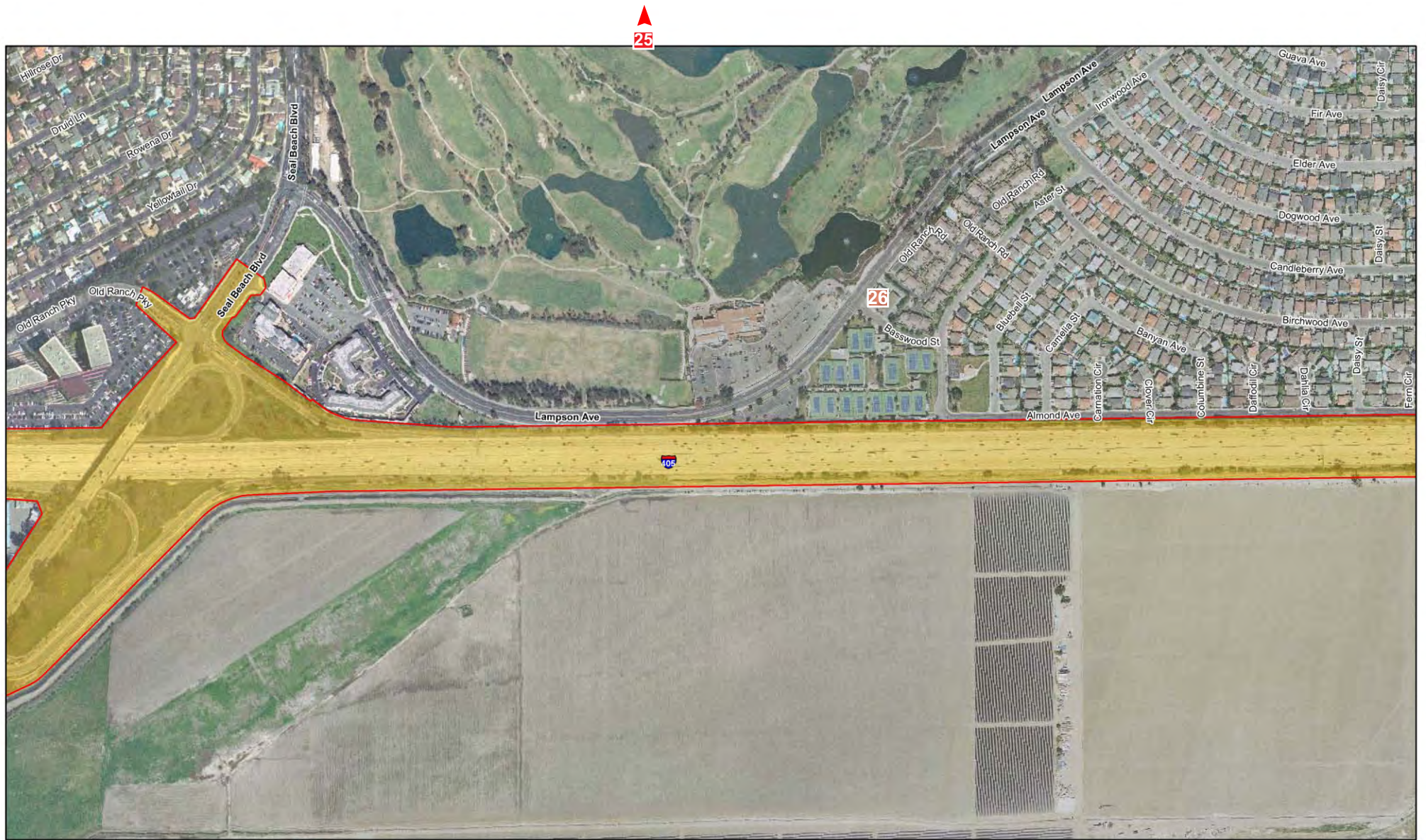
- Disturbance Area**
- Disturbance Description**
- Mainline and Intersection Improvements
 - Striping Only
 - Potential Improvement Area

0 250 500 1,000 Feet



DRAFT Disturbance Area Map
Figure ID: I-405k

Figure 7-15



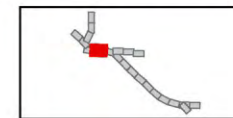
SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

- Disturbance Description**
- Disturbance Area
 - Mainline and Intersection Improvements
 - Striping Only
 - Potential Improvement Area

0 250 500 1,000 Feet

LEGEND

- 25 Los Alamitos Joint Forces Training Base (Military Cleanup Site)
- 26 College Park Mobil (LUST)



DRAFT Disturbance Area Map
Figure ID: I-405I

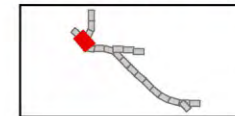


SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

- Disturbance Area**
Disturbance Description
- Mainline and Intersection Improvements
 - Striping Only
 - Potential Improvement Area

LEGEND

- 28 Freeway Spill NB I-405 South of I-605 (ERNS)
- 5-Gallon Paint Buckets (Site Observation)



DRAFT Disturbance Area Map
Figure ID: I-405n

0 250 500 1,000 Feet

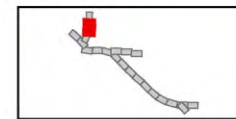
Figure 7-18



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

- Disturbance Area
- Disturbance Description**
- Mainline and Intersection Improvements
- Striping Only
- Potential Improvement Area

0 250 500 1,000 Feet



DRAFT Disturbance Area Map
Figure ID: I-605b



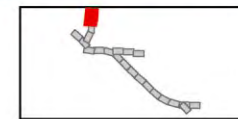
SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

- Disturbance Area**
Disturbance Description
- Mainline and Intersection Improvements
 - Striping Only
 - Potential Improvement Area

0 250 500 1,000 Feet

LEGEND

- 31 California Target - Mathews Service Station (LUST)
- 32 Tosco - 76 Station #5708 (LUST)
- 33 Shell Oil #204-4155-1106 (LUST)



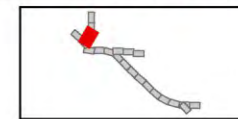
DRAFT Disturbance Area Map
Figure ID: I-605a



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

- Disturbance Area
- Disturbance Description**
- Mainline and Intersection Improvements
- Striping Only
- Potential Improvement Area

0 250 500 1,000 Feet



DRAFT Disturbance Area Map
Figure ID: I-605c

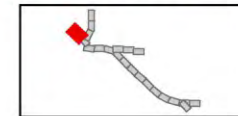


SOURCE: ESRI STREETMAP 2006, EAGLE AERIAL 2008

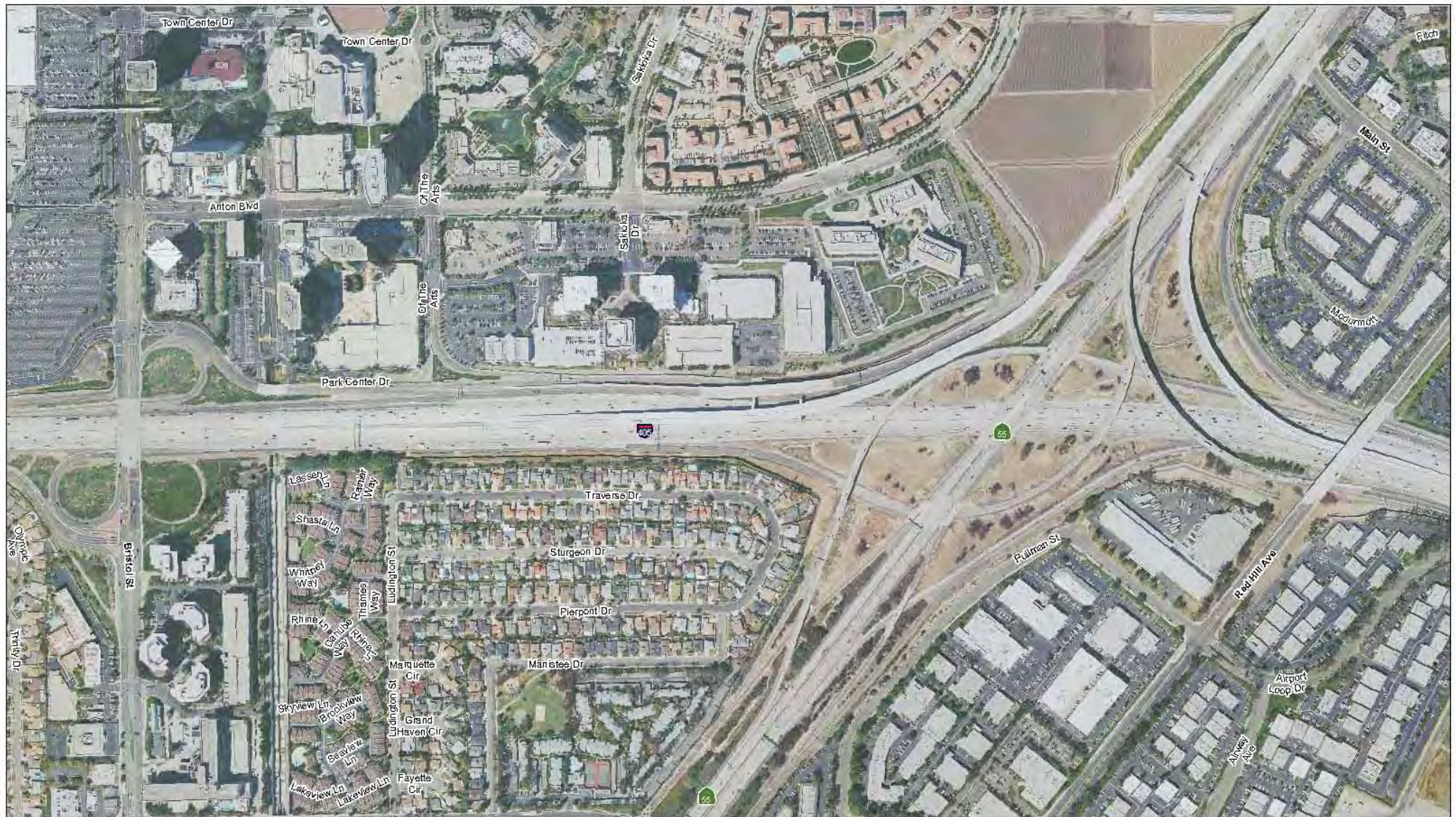
- Disturbance Area**
Disturbance Description
- Mainline and Intersection Improvements
 - Striping Only
 - Potential Improvement Area

LEGEND

- 29 Tosco - 76 Station (LUST)
- 30 Palo Verde Cleaners (SLIC)



DRAFT Disturbance Area Map
Figure ID: I-405o



SOURCE: CSRI STREETMAP 2008, CADLE AERIAL 2008

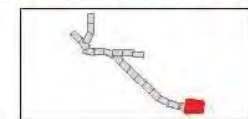
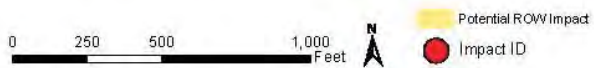
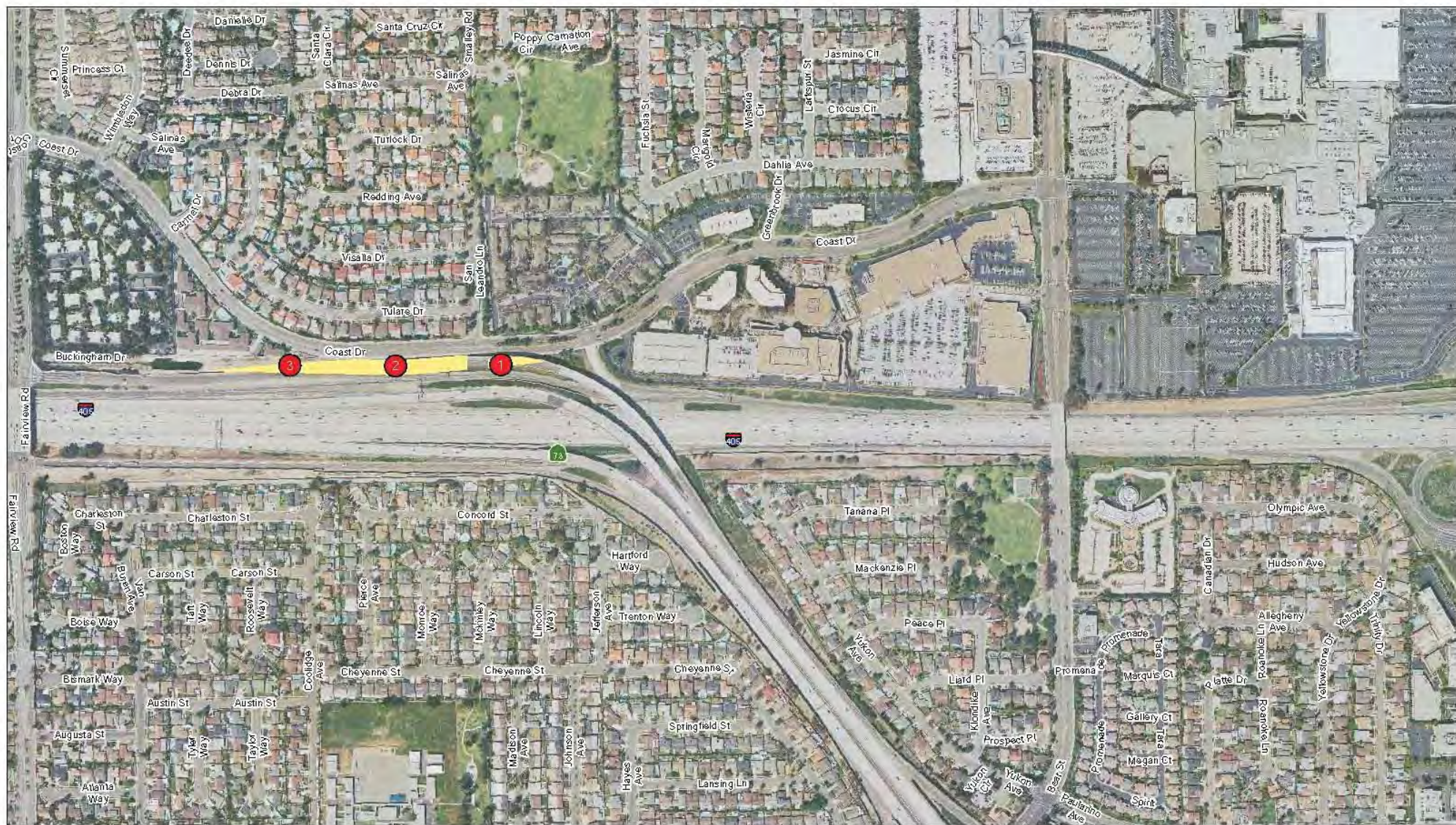


Figure ID: I-405m

Figure 8-1



SOURCE: CDR STREETMAP 2009, EAGLE AERIAL 2008

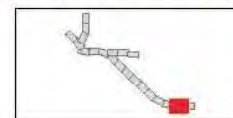
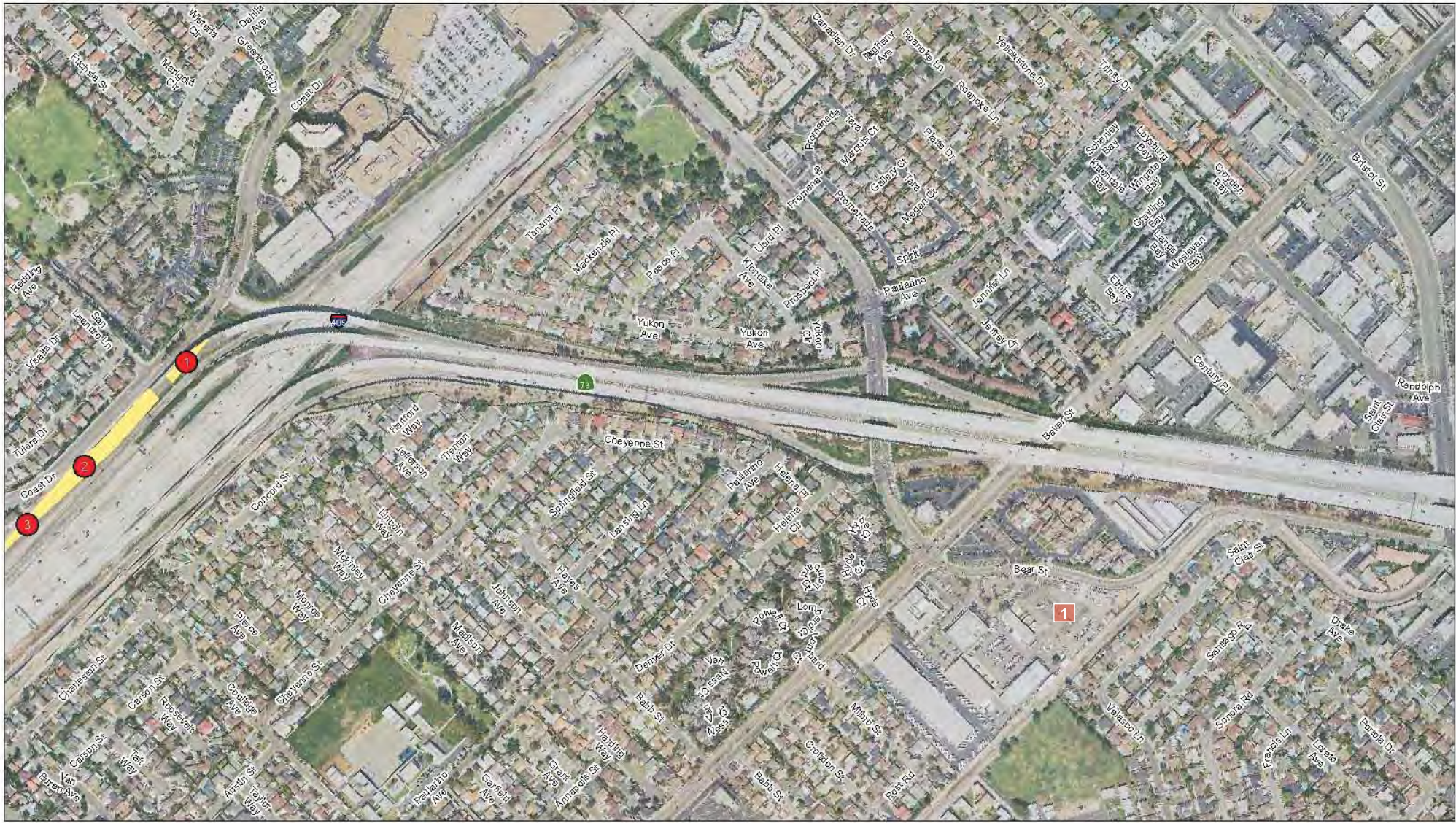


Figure ID: I-405m

Figure 8-2



SOURCE: DSR STREETMAP 2008, EAGLE AERIAL 2008



- Potential ROW Impact
- Impact ID

LEGEND

- Newport-Mesa Unified School District (LUST)

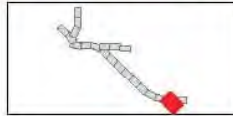


Figure ID: I-405m

Figure 8-3



LEGEND

- 3 Mobil #18-HDR (LUST)
- 4 Los Angeles Times - South Tanks (LUST)

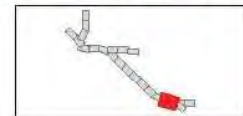


Figure ID: I-405m

Figure 8-4



SOURCE: ESDI STREETMAP 2009, EAGLE AERIAL 2008

0 250 500 1,000 Feet



Potential ROW Impact
Impact ID

LEGEND

- 2** OCSD Auto Shop (LUST)
- 5** Kodak Professional Laboratory (SLIC)

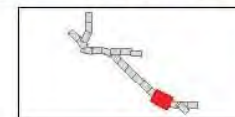


Figure ID: I-405m

Figure 8-5



SOURCE: CSO STREETMAP 2009, CADLE AERIAL 2008



LEGEND

- 6** Texaco Service Station (LUST)
- 7** ARCO # 6116 (LUST)
- 8** Exxon #7-3738 (LUST)
- 9** Thrifty Oil #085 (LUST)

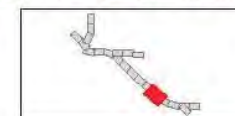


Figure ID: I-405m

Figure 8-6



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

0 250 500 1,000 Feet

Potential ROW Impact
Impact ID

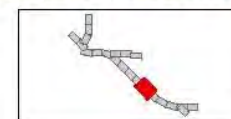


Figure ID: I-405m

Figure 8-7



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008



LEGEND

- 14** Mobil #18-G3W (LUST)
- 15** Shell Oil (LUST)
- 16** Chevron #9-5492 (LUST)
- 17** Mobil #18-G2W (LUST)

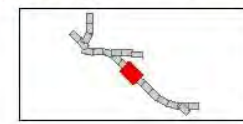


Figure ID: I-405m
Figure 8-9



SOURCE: ESRI STREETMAP 2005, EAGLE AERIAL 2003

0 250 500 1,000 Feet



Potential ROW Impact
Impact ID

LEGEND

- 18** USA Petroleum Corp. (LUST)
- 22** Unocal #5226 (LUST)
- 23** Thrifty Oil (LUST)

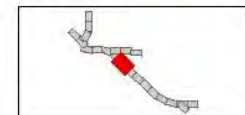
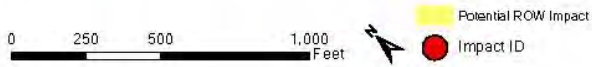


Figure ID: I-405m

Figure 8-10



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008



LEGEND

- 19 Old Mobil Station (LUST)
- 20 Chevron 9-5401(LUST)
- 21 Shell Oil (LUST)

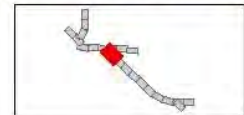


Figure ID: I-405m

Figure 8-11



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

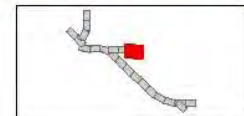
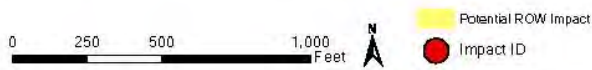
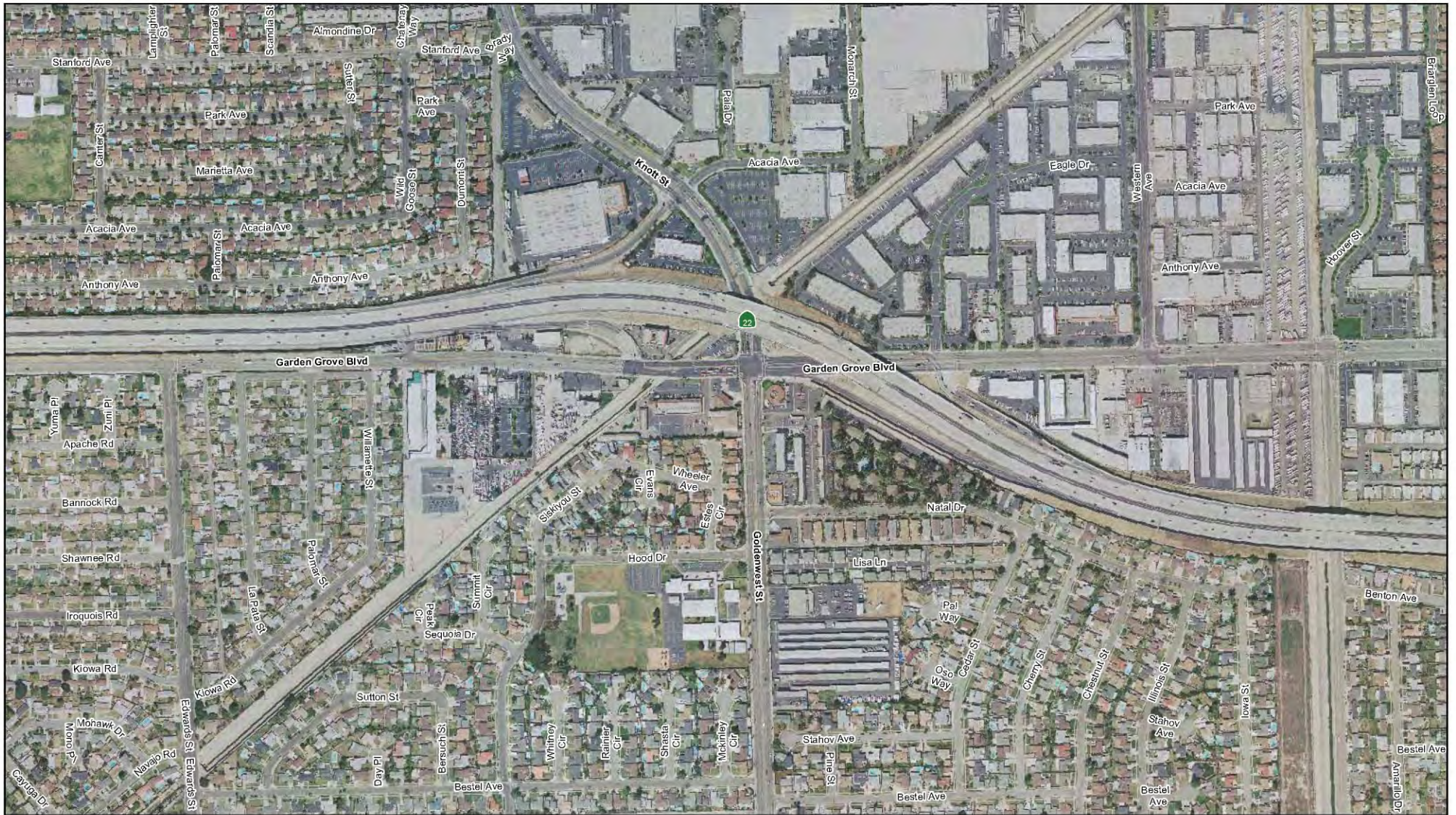


Figure ID: I-405m

Figure 8-12



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

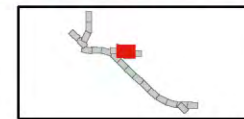
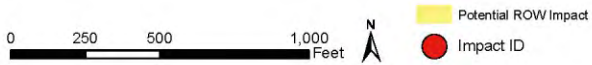
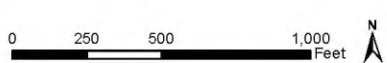


Figure ID: I-405m

Figure 8-13



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008



Potential ROW Impact
 Impact ID

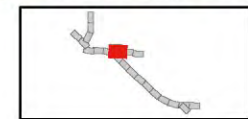


Figure ID: I-405m

Figure 8-14

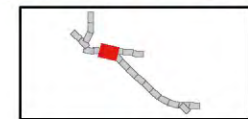


Figure ID: I-405m

Figure 8-15



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008



LEGEND

- 26** Los Alamitos Joint Forces Training Base (Military Cleanup Site)
- 27** College Park Mobil (LUST)

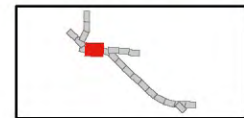
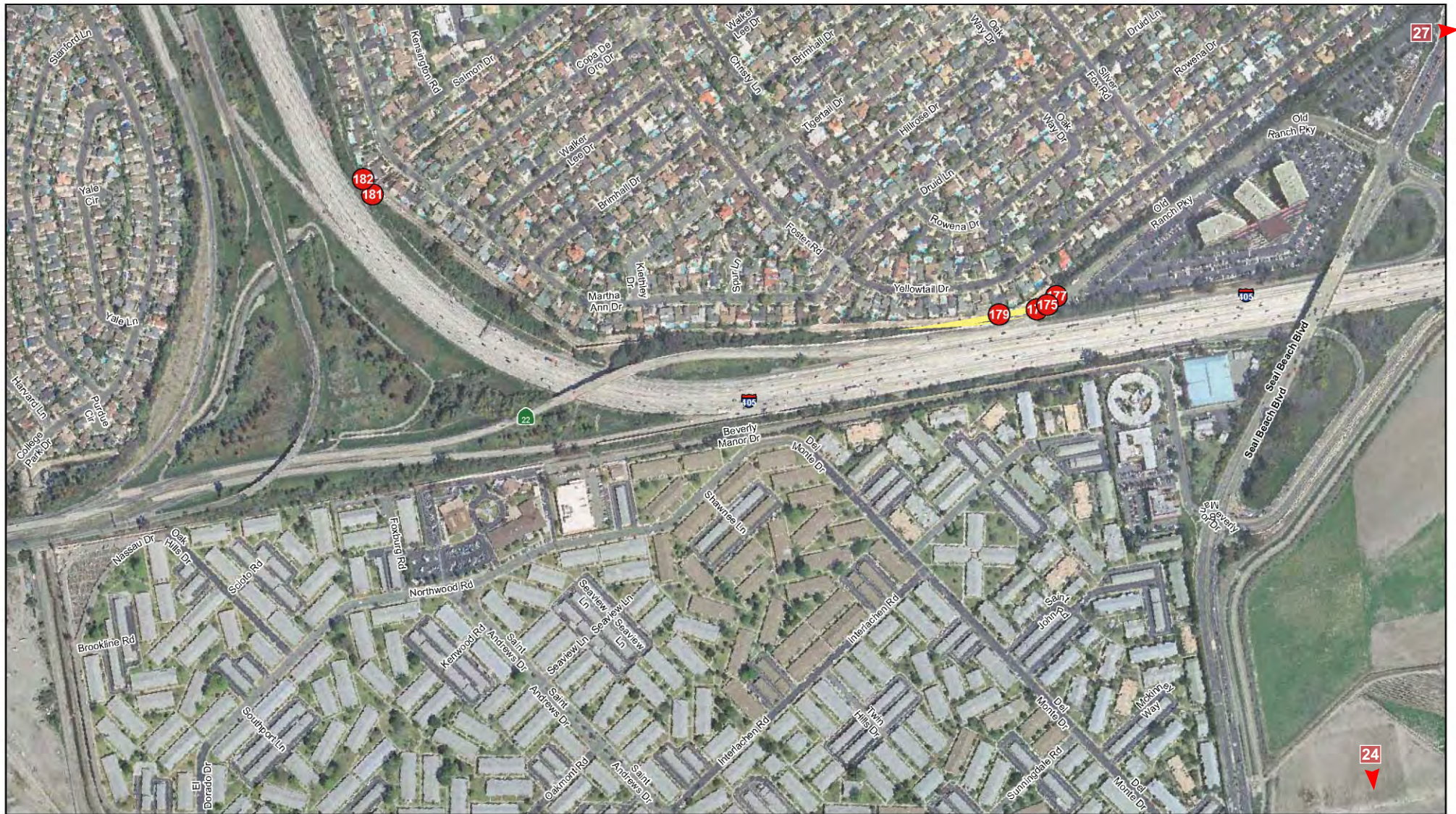


Figure ID: I-405m

Figure 8-16



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008



Potential ROW Impact
 Impact ID

LEGEND

- Seal Beach Naval Weapons Station (Military Cleanup Site)
- Arco # 3038 (LUST)

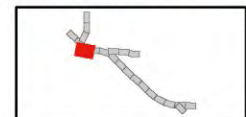


Figure ID: I-405m

Figure 8-17



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

0 250 500 1,000 Feet



Potential ROW Impact

Impact ID

LEGEND

- 28 Freeway Spill NB I-405 South of I-605 (ERNS)
- ★ 5-Gallon Paint Buckets (Site Observation)

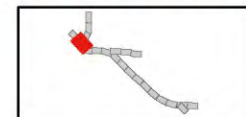
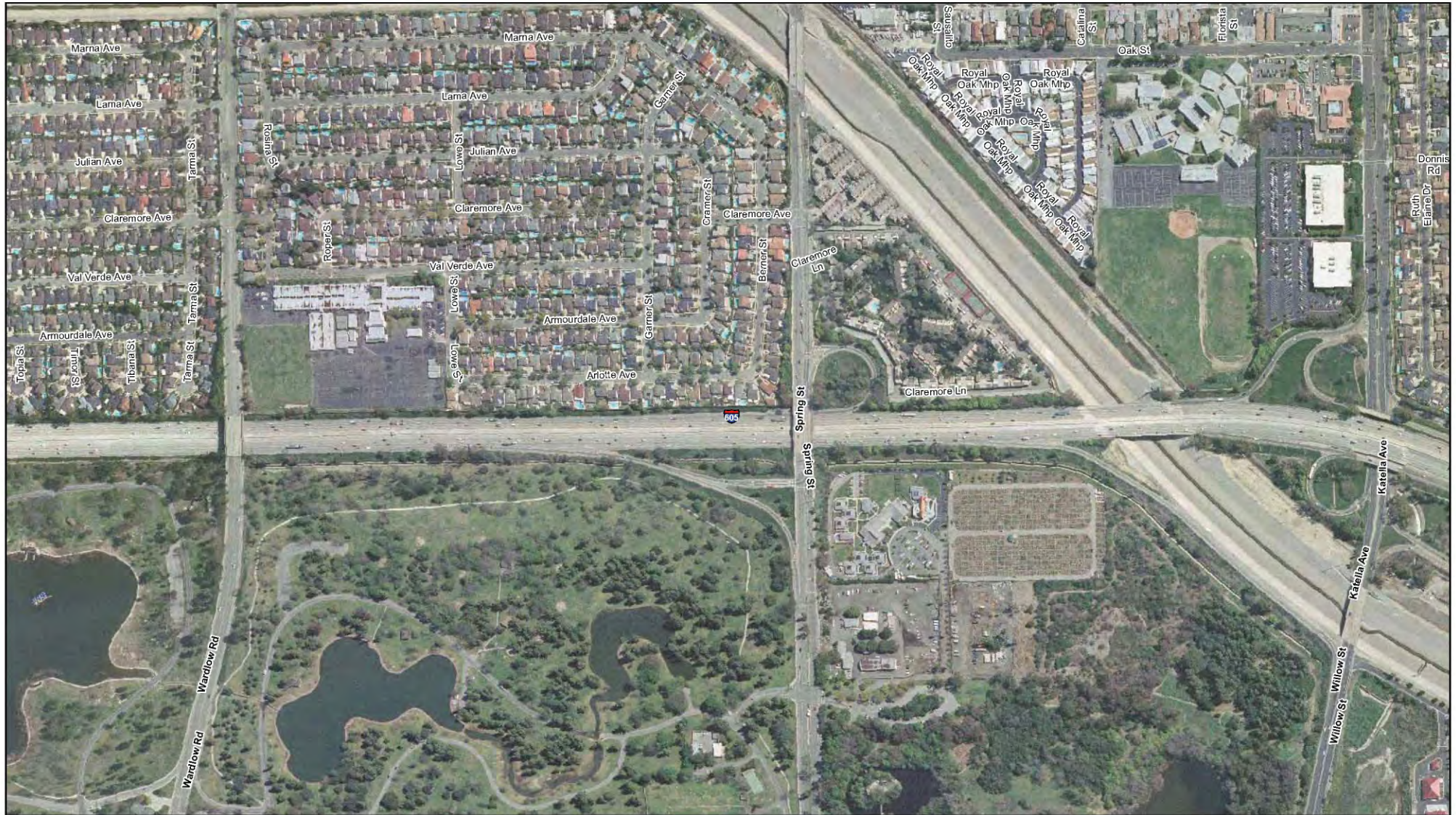


Figure ID: I-405m

Figure 8-18



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

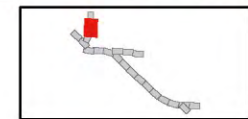
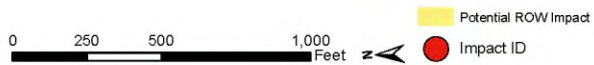
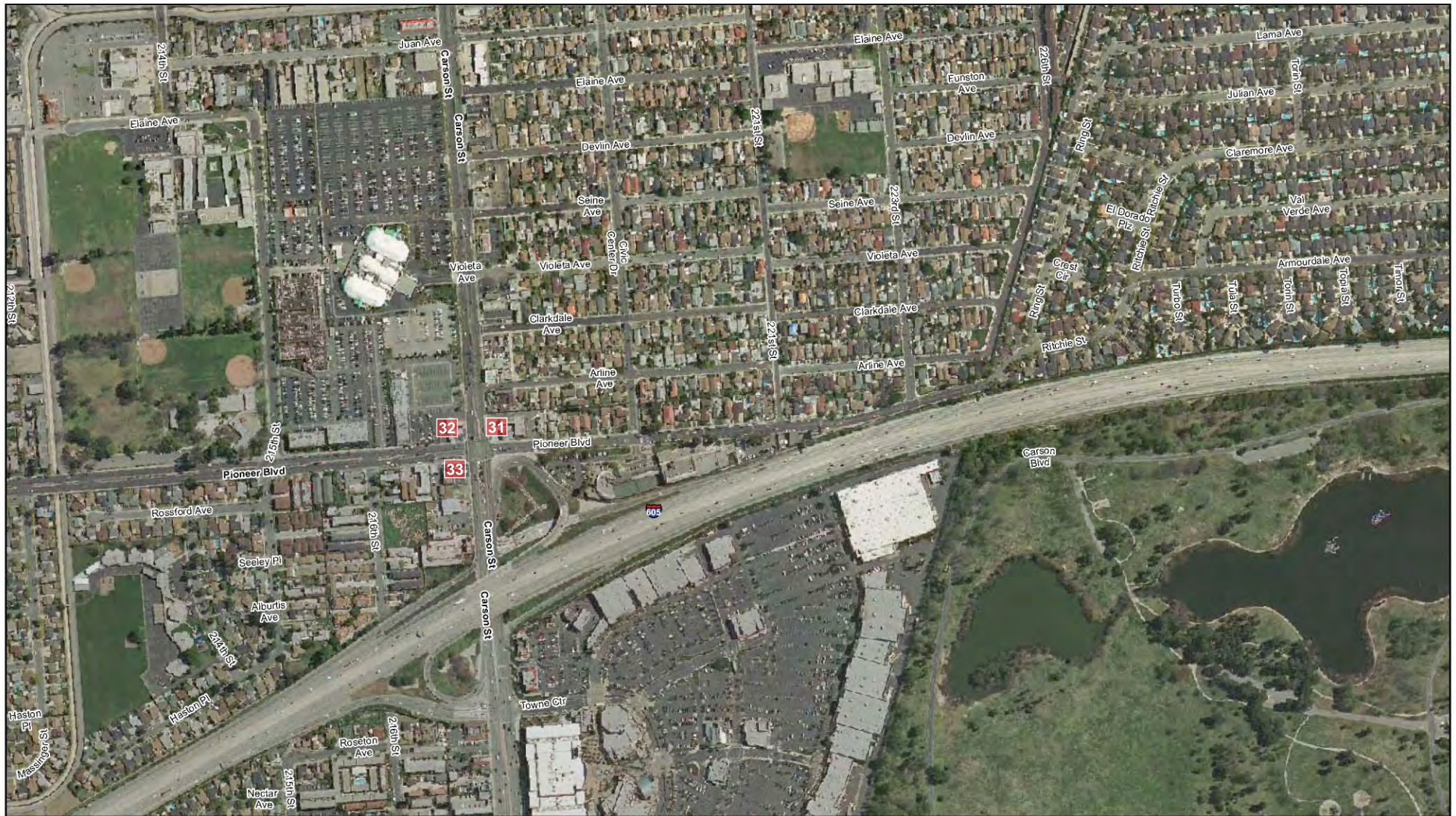
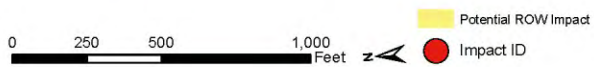


Figure ID: I-405m

Figure 8-19



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008



LEGEND

- 31** California Target - Mathews Service Station (LUST)
- 32** Tosco - 76 Station #5708 (LUST)
- 33** Shell Oil #204-4155-1106 (LUST)

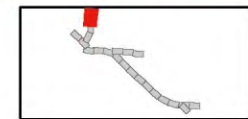


Figure ID: I-405m

Figure 8-20



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008

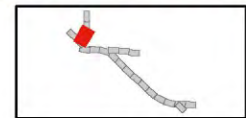
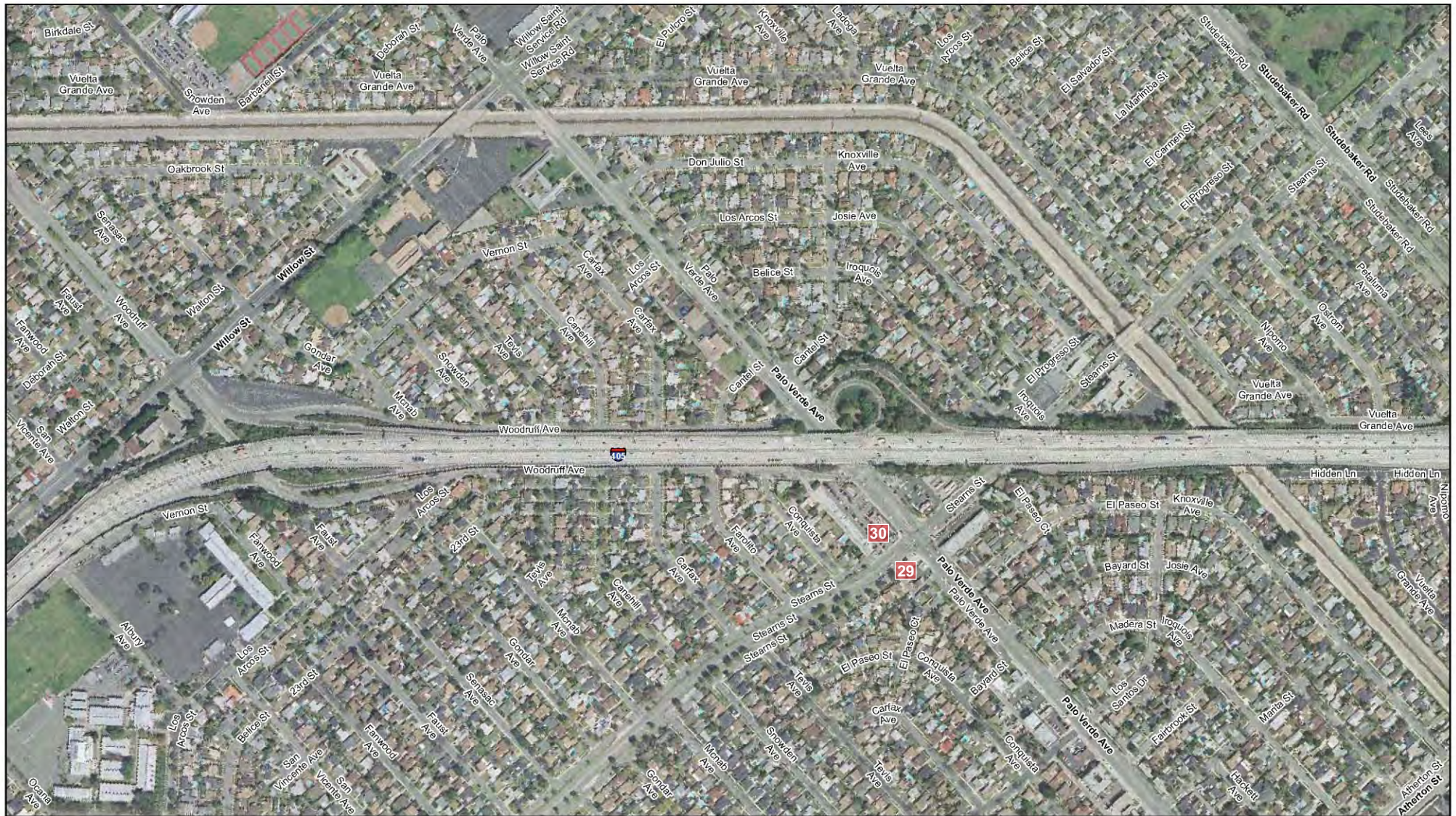


Figure ID: I-405m

Figure 8-21



SOURCE: ESRI STREETMAP 2008, EAGLE AERIAL 2008



LEGEND

- 29 Tosco - 76 Station (LUST)
- 30 Palo Verde Cleaners (SLIC)

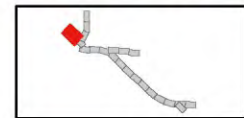


Figure ID: I-405m

Figure 8-22

APPENDIX A
SITE PHOTOGRAPHS



405NB near Bristol St



Bristol St OC



Near Bristol St



405 NB near Bear St



Bear St OC



405NB looking from
Bear St OC



405NB near South
Coast Dr



South of I-405 looking
from Fairview OC



Fairview OC



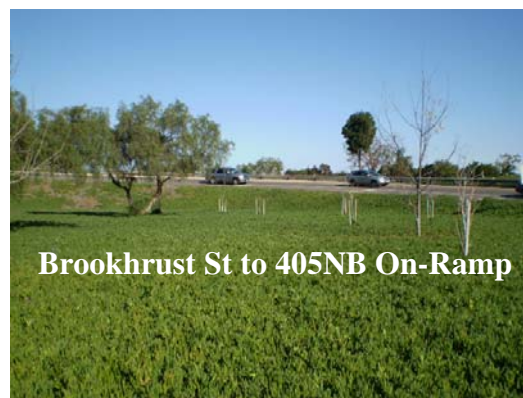
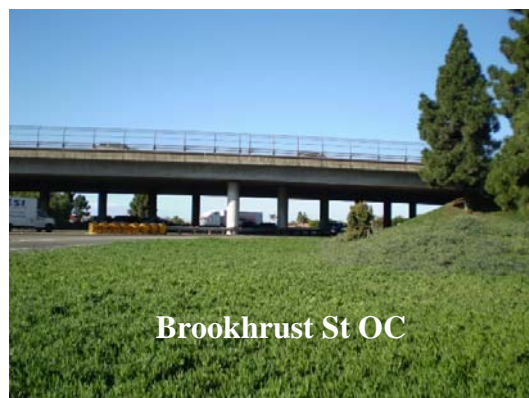
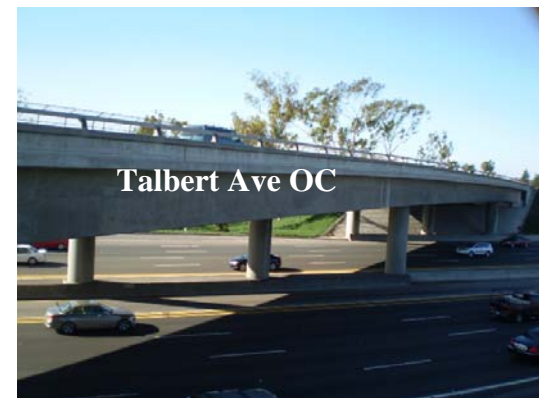
Initial Site Assessment - Interstate 405 from SR-73 to I-605
Site Photographs - I-405 Freeway
GDC Project No. I-487

FIGURE A-1



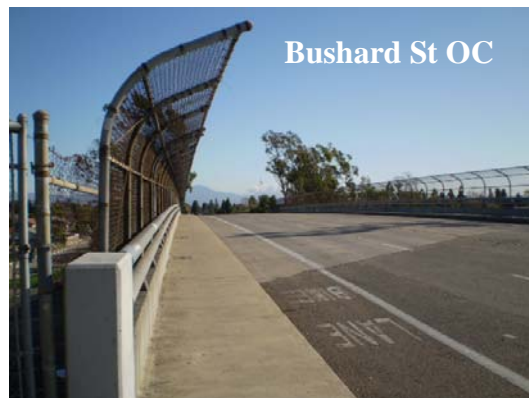
Initial Site Assessment - Interstate 405 from SR-73 to I-605
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GDC Project No. I-487

FIGURE A-2



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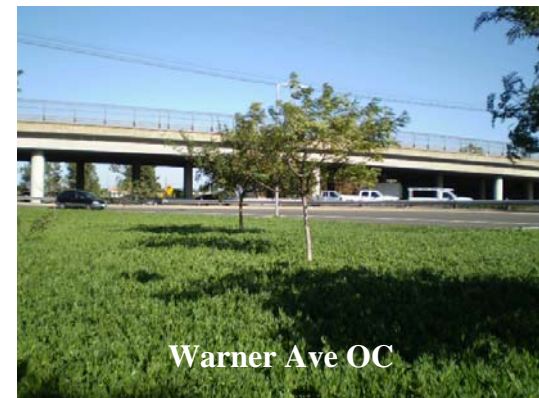
FIGURE A-3



Bushard St OC



Bushard St OC



Warner Ave OC



Warner Ave OC



Magnolia St OC



Near Magnolia St



405NB near Newland St



E. Garden Grove Channel



E. Garden Grove Channel



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FIGURE A-4



Newland St OC



Soil Pile Near Newland St OC
(East of South Abut Approach)



Soil Pile Near Newland St OC
(East of South Abut Approach)



Soil Pile Near Newland St OC
(East of South Abut Approach)



Beach Blvd UC



Beach Blvd UC



Beach Blvd On-Ramp



405NB near Beach Blvd

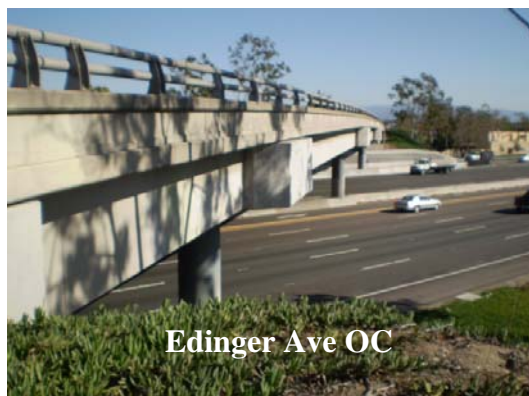


405NB near Edinger Ave

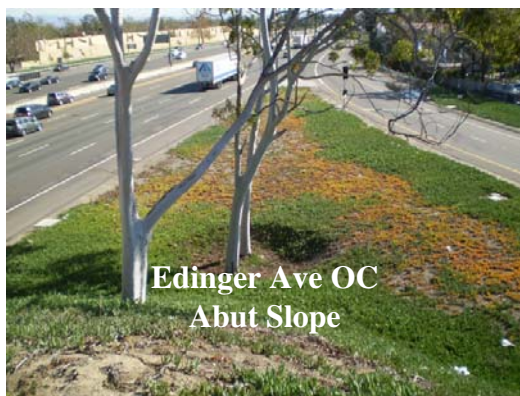


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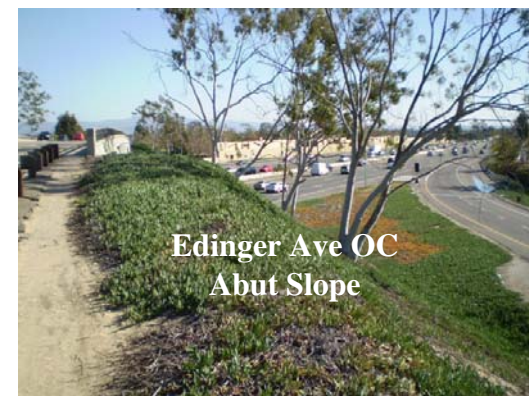
FIGURE A-5



Edinger Ave OC



Edinger Ave OC
Abut Slope



Edinger Ave OC
Abut Slope



405 Freeway



McFadden Ave OC



Overhead Power
Lines near
McFadden Ave



Bolsa Ave OC



Bolsa Ave OC

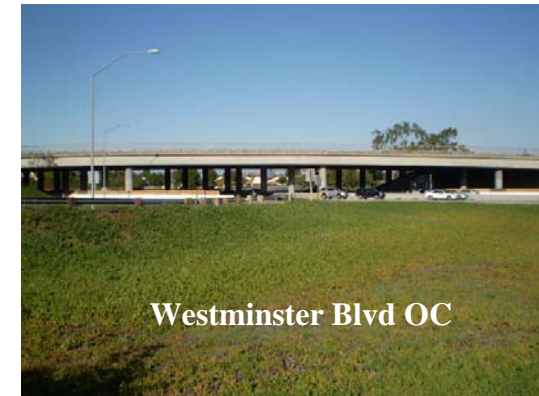
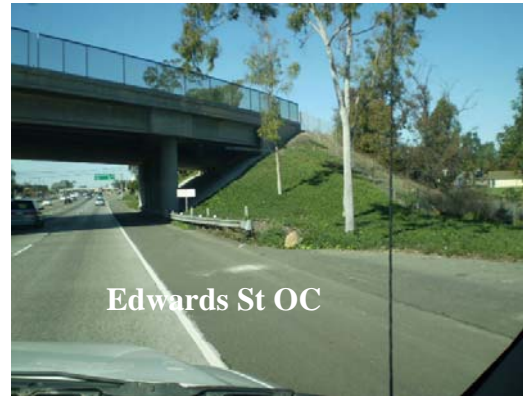
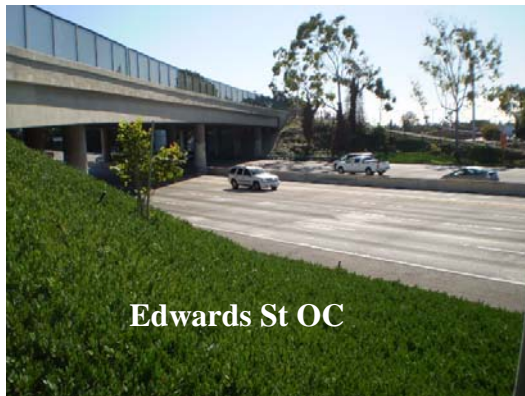


Landscape near
Bolsa Ave



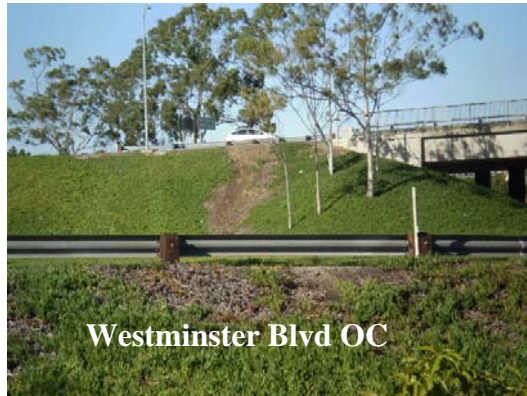
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FIGURE A-6



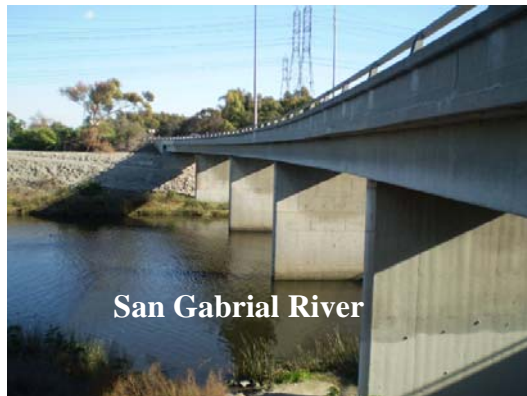
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FIGURE A-7

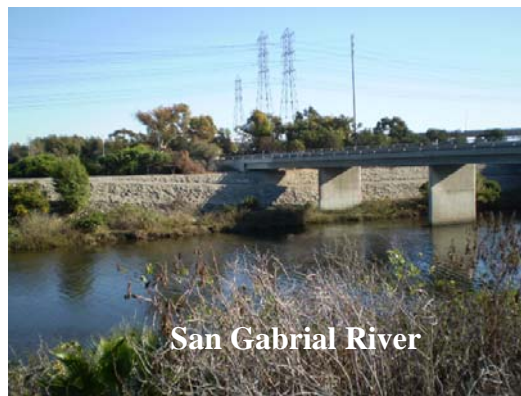


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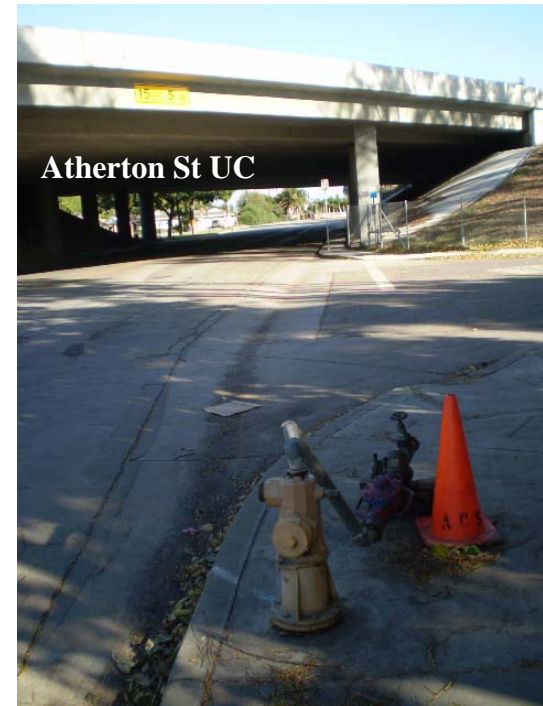
FIGURE A-8



San Gabriel River



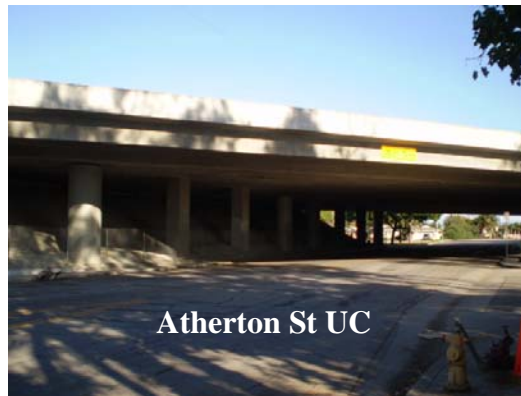
San Gabriel River



Atherton St UC



Via Del Rio St near
Atherton St UC



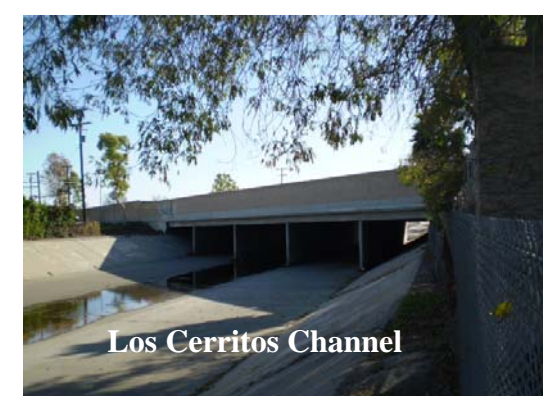
Atherton St UC



Studebaker Rd UC



Los Cerritos Channel

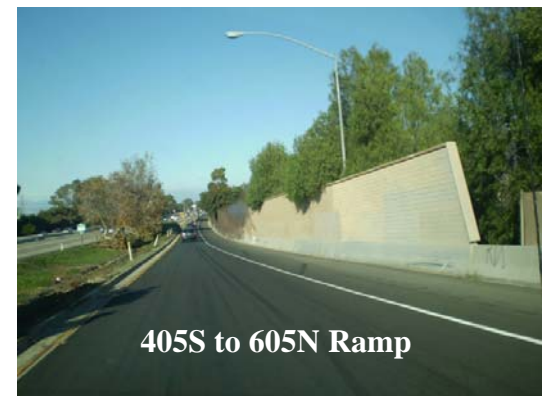
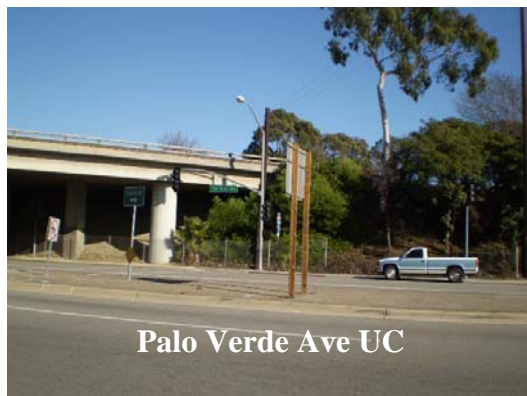


Los Cerritos Channel



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FIGURE A-9



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FIGURE A-10